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|  | www.teknos.com | | |
| PRODUCT NAME 03 01.02.2022 | TEKNOHEAT 1176 | | |
| PRODUCT DESCRIPTION | Modified combination of silicone resin. | | |
| INTENDED USE | Silicone paint, which tolerates high temperatures. High corrosion protection. | | |
| SPECIAL CHARACTERISTICS OF THE COATING | Fast physical drying, heat resistance up to 450°C and permanent resistance up to 300°C. | | |
| TECHNICAL DATA | | | |
| Solid content | 53 ± 2 by weight.-% 32 ± 2 by volume.-% | | |
| Density (ready-made system) | 1.31 ± 0.05 g/cm ³ | | |
| Volatile organic compound (VOC) | approx. 619 g/l | | |
| Recommended film thickness and theoretical spreading rate | dry film (µm) | wet film (µm) | Theoretical spreading rate (m ² /kg) |
| | 50 | 160 | 4.8 |
| | As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film. | | |
| Practical spreading rate | The values depend on application technique, surface conditions, overspray, etc. | | |
| Drying time, +23°C / 50 % RH (dry film thickness 50 µm) | | | |
| - drying condition | 200°C 1 h 250°C 30 min | | |
| Diluent / thinner and cleaning of equipment | TEKNOSOLV 6740 | | |
| Gloss | Matt | | |
| Colorshades | Black | | |
| SAFETY MARKINGS | See Material safety data sheet | | |
| DIRECTION FOR USE | | | |
| Surface preparation | Remove from the surface any contaminants that might be detrimental to surface preparation and coating. Remove also water-soluble salts by using appropriate methods. The surface should be prepared as follows: STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate. | | |
| Application conditions | The surface to be painted must be dry and the relative air humidity below 80%. During the application and drying period the temperature of the ambient air and the surface shall be at least above +10°C and the temperature of the paint must be at least 5°C above the dew point of the ambient air. | | |
| Application | Before use stir the paint thoroughly. Apply the paint with conventional spray, airless spray or airmix spray. Airless spray nozzle 0.011-0.013. | | |
| ADDITIONAL INFORMATION | The storage stability is shown on the label. Store in a cool place and in a tightly closed can. You can find instructions about the surface preparation in the norms EN ISO 12944-4 and ISO 8501-2. | | |

The information on this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly regarding technical and working safety aspects. The latest version of Teknos data sheets, material safety data sheets and system sheets are on our homepage www.teknos.com.